

Title (en)
Heat pump assembly

Title (de)
Wärmepumpenanlage

Title (fr)
Installation de pompe à chaleur

Publication
EP 2051027 B1 20180516 (DE)

Application
EP 08018307 A 20081020

Priority
DE 102007050469 A 20071019

Abstract (en)
[origin: EP2051027A2] The system has valves (20, 21) provided in front of an evaporator (3), and valves (17, 18) provided behind the evaporator. Two paths (B, C) are provided parallel to the evaporator. The valves (17, 18, 20, 21) are designed such that a flow direction at the evaporator is unchanged independent of change of a flow direction of a refrigerant e.g. carbon hydride. The evaporator is used as a liquefier in an operation mode for liquefying the refrigerant and is used as a vaporizer in another operation mode for evaporating the refrigerant.

IPC 8 full level
F25B 13/00 (2006.01)

CPC (source: EP)
F25B 13/00 (2013.01); **F25B 40/00** (2013.01); **F25B 2313/02741** (2013.01); **F25B 2313/02742** (2013.01); **F25B 2400/13** (2013.01)

Cited by
CN110645736A; CN102494439A

Designated contracting state (EPC)
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